

Processes and a device for determining the actual position
of a structure of an object to be examined

Abstract:

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The invention relates to processes and to a device for determining the actual position of a structure of an object to be examined in a coordinate system. A CT scanner is employed which uses CT technology, having a first coordinate system, the CT coordinate system, related to said CT scanner, and a coordinate measuring instrument (MI) is employed which is either a tactile or an optical coordinate measuring instrument or a multisensor coordinate measuring instrument or an ultrasonic coordinate measuring instrument, having a second coordinate system, the MI coordinate system, related to said coordinate measuring instrument, whereby according to a variant,

- 15 a) the coordinates of the object to be examined are determined in the MI coordinate system,
- b) a target position of the structure within the object to be examined is predefined,
- c) after the execution of steps a) and b), the target position is determined in
20 the MI coordinate system,
- d) and, using the result of step c), the object to be examined is positioned in such a way that the target position of the structure comes to lie within the volume detected by the CT scanner.